

REMARKS

Entry of the foregoing and reconsideration of the application identified in caption, as amended, pursuant to and consistent with 37 C.F.R. §1.111 and in light of the remarks which follow, are respectfully requested.

By the above amendments, claims 1, 11 and 15 have been amended for clarification purposes by reciting that "the mesh film comprises lattice lines which define at least a quadrilateral unit space and another unit space having a shape of a regular pentagon, a pentagon, a regular hexagon, a hexagon, a circle or an ellipse". Support for these amendments can be found in the instant specification at least at page 6, lines 1-6, taken in connection with page 12, lines 4, 5 and 16-20.

Claim 1 has been amended for readability purposes by replacing each of "having" and "composed of" with "comprising". Claim 1 has also been amended for readability purposes by replacing the phrase "a metal thin film, wherein the conductive layer is composed of a mesh film" with "a metal thin film in the form of a mesh film". Claim 1 has further been amended for clarification purposes by deleting the phrase "in which random mesh portions are formed".

Claims 2 has been amended for readability purposes by deleting the word "the" prior to "random mesh portions". Claim 2 has also been amended for readability purposes by replacing the word "conductor" with "conductive".

Claims 2, 12 and 16 have been amended for readability purposes by replacing the word "obtainable" with "obtained".

Claim 3 has been amended for readability purposes by replacing the word "the" prior to "random mesh pattern" with "a".

Claims 4, 13 and 14 have been amended for readability purposes by replacing the word "by" prior to "the metal thin film" with "from".

Claims 5 and 6 have been amended for readability purposes by replacing the phrase "whose lines which form the random mesh shape" with "wherein the lattice lines".

Claims 7 and 16 have been amended for readability purposes by deleting the phrase "formed by the metal thin".

Claim 8 has been amended for readability purposes by replacing the phrase "whose surface is being subjected to blackening" with "wherein the surface of the electromagnetic-wave-shielding film is subjected to blackening".

Claim 11 has been amended for readability purposes by replacing each of "having" and "composed of" with "comprising". Claim 11 has also been amended for readability purposes to recite "a metal thin film in the form of a mesh film", and by replacing the phrase "by using a" with "from the". Claim 11 has further been amended for clarification purposes by deleting the phrase "in which random mesh portions are formed".

Claim 12 has been amended for readability purposes by deleting the word "the" prior to "random mesh portions", and by replacing the phrase "by using" with "wherein each random mesh portion has".

Claim 15 has been amended for readability purposes by replacing "wherein" and "having" with "comprising". Claim 15 has also been amended for readability purposes to recite that "the conductive layer comprises a metal thin film in the form of a mesh film". Claim 15 has further been amended for clarification purposes by deleting the phrase "in which random mesh portions are formed". Various other amendments have been made to claim 15 for readability purposes.

Claim 16 has been amended for readability purposes by deleting the word "the" prior to the term "random mesh portions".

New independent claim 19 is directed to the subject matter of original claims 1 and 7. New independent claim 20 is directed to the subject matter of original claims 15 and 16.

It is noted that claims 7 and 16 have not been rejected on prior art grounds. New independent claims 19 and 20 have been added which are directed to such subject matter, respectively. Accordingly, upon withdrawal of the outstanding §112, second paragraph, rejection of claims 7 and 16, the Patent Office is respectfully requested to provide indication of the allowance of claims 19 and 20.

In the Official Action, claims 3, 5 and 6 stand rejected under 35 U.S.C. §112, second paragraph, for reciting the word "the" prior to the terms "random mesh pattern" and "random mesh shape". This rejection has been obviated by the above amendments, and withdrawal of such rejection is respectfully requested.

Claims 7 and 16 stand rejected under 35 U.S.C. §112, second paragraph, for reciting the term "pixel area". In response thereto, Applicants submit that it is well known in the art that the term "pixel area" refers to the area of a single pixel of a display. Thus, the meaning of the term "pixel area" as recited in the claims is clear. Accordingly, withdrawal of this rejection is respectfully requested.

Claims 1-6, 9-12, 15, 17 and 18 stand rejected under 35 U.S.C. §102(b) as being anticipated by Japanese Patent Document No. 11-184384 (*JP '384*), or under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,150,754 (*Yoshikawa '754*). The Patent Office has noted

that *JP '384* and *Yoshikawa '754* belong to the same patent family (Official Action at page 3).

Withdrawal of this rejection is respectfully requested for at least the following reasons.

According to one aspect of the present invention, as defined by claim 1, an electromagnetic-wave-shielding film is provided. The electromagnetic-wave-shielding film comprises a transparent support and a conductive layer comprising a metal thin film in the form of a mesh film, wherein the mesh film comprises lattice lines which define at least a quadrilateral unit space and another unit space having a shape of a regular pentagon, a pentagon, a regular hexagon, a hexagon, a circle or an ellipse.

According to another aspect of the present invention, as defined by claim 11, a method of producing an electromagnetic-wave-shielding film is provided. A further aspect of the present invention is an image display device, as defined by claim 15.

Yoshikawa '754 relates to an electromagnetic-wave shielding and light transmitting plate suitable for a front filter of a plasma display panel (col. 1, lines 7-9).

Yoshikawa '754 fails to disclose each feature recited in each of claims 1, 11 and 15, and as such, does not constitute an anticipation of such claims. For example, *Yoshikawa '754* does not disclose a mesh film that comprises lattice lines which define at least a quadrilateral unit space and another unit space having a shape of a regular pentagon, a pentagon, a regular hexagon, a hexagon, a circle or an ellipse, as recited in claims 1, 11 and 15. That is, in the claimed mesh film, the lattice lines define at least (1) a quadrilateral unit space and, (2) another unit space having a shape of a regular pentagon, a pentagon, a regular hexagon, a hexagon, a circle or an ellipse.

By comparison, *Yoshikawa '754* discloses a conductive composite mesh member which is made by weaving metallic fibers and/or metal-coated organic fibers with transparent fibers, as shown in FIG. 2 thereof (col. 4, lines 54-60). There is simply no disclosure of a mesh film that comprises lattice lines which define at least a quadrilateral unit space and another unit space having a shape of a regular pentagon, a pentagon, a regular hexagon, a hexagon, a circle or an ellipse.

For at least the above reasons, *Yoshikawa '754* and *JP '384* do not anticipate claims 1, 11 and 15. Accordingly, withdrawal of the above rejection is respectfully requested.

Claims 1 and 8 stand rejected under 35 U.S.C. §102(b) as being anticipated by Japanese Patent Document No. 11-266095 (*JP '095*). Withdrawal of this rejection is respectfully requested for at least the following reasons.

JP '095 relates to an electromagnetic shielding plate having a mesh-shaped conductive pattern.¹

JP '095 does not disclose each feature recited in claim 1 and as such, fails to constitute an anticipation of claim 1. For example, *JP '095* does not disclose a mesh film that comprises lattice lines which define at least a quadrilateral unit space and another unit space having a shape of a regular pentagon, a pentagon, a regular hexagon, a hexagon, a circle or an ellipse, as recited in claim 1. In this regard, *JP '095* appears to disclose a mesh in the form of rectangular shapes (see figure and partial translations). However, there is simply no disclosure of a mesh film that comprises lattice lines which define at least a quadrilateral unit space and another unit space

¹Attached for the Examiner's consideration is a partial translation (2 sheets) of *JP '095*.

having a shape of a regular pentagon, a pentagon, a regular hexagon, a hexagon, a circle or an ellipse. as recited in claim 1.

For at least the above reasons, it is apparent that *JP '095* fails to anticipate claim 1. Accordingly, withdrawal of the above rejection is respectfully requested.

Claims 11 and 13 stand rejected under 35 U.S.C. §102(b) as being anticipated by Japanese Patent Document No. 11-074684 (*JP '684*), or under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,090,473 (*Yoshikawa '473*). The Patent Office has noted that *JP '684* and *Yoshikawa '473* belong to the same patent family (Official Action at page 6). Withdrawal of this rejection is respectfully requested for at least the following reasons.

Yoshikawa '473 relates to an electromagnetic-wave shielding and light transmitting plate suitable for a front filter for a plasma display panel (col. 1, lines 7-9).

Yoshikawa '473 fails to disclose each feature recited in claim 11, and as such, does not constitute an anticipation of such claim. For example, *Yoshikawa '473* does not disclose a mesh film that comprises lattice lines which define at least a quadrilateral unit space and another unit space having a shape of a regular pentagon, a pentagon, a regular hexagon, a hexagon, a circle or an ellipse, as recited in claims 1, 11 and 15. That is, in the claimed mesh film, the lattice lines define at least (1) a quadrilateral unit space and, (2) another unit space having a shape of a regular pentagon, a pentagon, a regular hexagon, a hexagon, a circle or an ellipse.

By comparison, *Yoshikawa '473* discloses a metallic foil having the patterns of openings shown in FIGS. 3a to 3f. Clearly, each pattern of openings disclosed by *Yoshikawa '473* has openings of the same shape. There is simply no disclosure of a single mesh film comprising lattice lines which define at least a quadrilateral unit space and another unit space having a shape

of a regular pentagon, a pentagon, a regular hexagon, a hexagon, a circle or an ellipse, as recited in claim 11.

For at least the above reasons, it is clear that *Yoshikawa '473* and *JP '684* fail to anticipate claim 11. Accordingly, withdrawal of the above rejection is respectfully requested.

Claims 11 and 14 stand rejected under 35 U.S.C. §102(b) as being anticipated by Japanese Patent Document No. 2000-114770 (*JP '770*), or under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,210,787 (*Goto et al*). The Patent Office has noted that *JP '770* and *Goto et al* belong to the same patent family (Official Action at page 6). Withdrawal of this rejection is respectfully requested for at least the following reasons.

Goto et al relates to a surface covering for the screens of display devices, especially plasma displays (col. 1, lines 5-7).

Goto et al does not disclose each feature recited in claim 11 and as such, fails to constitute an anticipation of such claim. For example, *Goto et al* does not disclose a mesh film that comprises lattice lines which define at least a quadrilateral unit space and another unit space having a shape of a regular pentagon, a pentagon, a regular hexagon, a hexagon, a circle or an ellipse, as recited in claim 11.

By comparison, *Goto et al* discloses the following at column 2, lines 14-22:

[T]he linear pattern of the conductive layer is of a lattice form consisting of the straight lines arranged both longitudinally and laterally, or a form made by longitudinal and lateral arrangement of the curves defined by the Sin function, Tan function, exponential function, logarithmic function or inversely proportional function expressed by each of the following formulae (1) to (6), or a form consisting of a combined arrangement of these straight lines and curves.

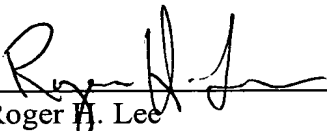
Linear patterns formed from the lines and curves disclosed by *Goto et al* are shown in FIGS. 1 to 4 thereof. Clearly, *Goto et al* has no disclosure of a mesh film which comprises lattice lines which define at least a quadrilateral unit space and another unit space having a shape of a regular pentagon, a pentagon, a regular hexagon, a hexagon, a circle or an ellipse, as recited in claim 11.

For at least the above reasons, it is apparent that *Goto et al* and *JP '770* do not constitute an anticipation of claim 11. Accordingly, withdrawal of this rejection is respectfully requested.

From the foregoing, further and favorable action in the form of a Notice of Allowance is believed to be next in order, and such action is earnestly solicited. If there are any questions concerning this paper or the application in general, the Examiner is invited to telephone the undersigned.

Respectfully submitted,

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